Atmosphere Investigation

Surface Temperature Data Sheet

School Name _____ Study Site: ATM-_____

Date: _____

Observer names:_____

_____

*Surface Temperature Supplemental Site Definition Data**

** To be filled out the first time taking Surface Temperature Measurements at a particular site, or if one of the values below has changed.*

Homogenous Site Size (Meters) – Check One

❒ ≥ = 90 x 90 (Land Cover Sample Site) ❒ ≥ = 30 x 30 ❒ < 30 X 30, specify size: ____ X ____

Cover Type – Check One
(If you are at a Land Cover Sample Site then check only the last box)

- ❒ Short Grass (less than 0.5 m in height)
- ❒ Tall Grass (0.5 m to 2 m in height)
- ❒ Barren Land
- ❒ Shrubs
- ❒ Dwarf Shrubs
- ❒ Concrete
- ❒ Asphalt
- ❒ Other
- ❒ This is a Land Cover Sample Site

Manufacturer and model of IRT instrument used at this site:_____

Cloud Type *(Check all types seen)*

Cirrus	❒
Cirrostratus	❒
Cirrocumulus	❒
Altostratus	❒
Altocumulus	❒
Stratus	❒
Stratocumulus	❒
Cumulus	❒
Nimbostratus	❒
Cumulonimbus	❒

Contrail Type *(Record the number of each type observed)*

Short-lived _____
Persistent Non-Spreading _____
Persistent Spreading _____

Cloud Cover *(Check one- if sky not obscured)*

No clouds (0%)	❒
Clear (0% - 10%)	❒
Isolated (10 - 25%)	❒
Scattered (25% - 50%)	❒
Broken (50% - 90%)	❒
Overcast (90% - 100%)	❒
Sky Obscured	❒

Contrail Cover *(Check one- if sky not obscured)*

None	❒
0-10%	❒
10-25%	❒
25-50%	❒
>50%	❒

School Name _____ Study Site: ATM-_____

If there is NO snow located on the ground anywhere in your Site, then check one.

Site's Overall Surface Condition: ❒ Wet ❒ Dry

Surface Temperature

Observation Spots	Local Time (hrs:min:sec)	Universal Time (hrs:min:sec)	Surface Temperature (° C)	Snow Depth (mm)*
1				
2				
3				
4				
5				
6				
7				
8				
9				

*Record Snow Depth according to:

- If there is NO snow at this Observation Spot, then record "0" (zero).
- If there is snow LESS than ten millimeters in depth, then record the letter "T"
- If there is snow GREATER than ten millimeters in depth, then put your ruler or meter stick vertically into the snow at the spot where you just took your surface temperature reading, so that it penetrates all the way to the ground. Read and record the snow depth in millimeters.

Comments: